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From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
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Precedence: Bulk
Subject: Ham-Space Digest V93 #79
To: Ham-Space

Ham-Space Digest Mon, 8 Nov 93 Volume 93 : Issue 79

Today's Topics:

 New OSCAR 20 Schedule
 Oscar 21 Question

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Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 5 Nov 93 13:05:03 EST
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!sunic!psinnntp!psinnntp!
arrrl.org@network.ucsd.edu
Subject: New OSCAR 20 Schedule
To: ham-space@ucsd.edu

OSCAR 20 SCHEDULE TO CHANGE

Effective December 1, 1993, the Fuji-OSCAR 20 satellite will change its
digital/analog operating schedule. At present, the satellite functions as a
packet BBS every day except Wednesday when it switches to the analog
transponder (CW/SSB) mode for approximately 24 hours.

Beginning December 1 at 0843 UTC, OSCAR 20 will be switched to the analog mode
(Mode JA) where it will remain for one week. On December 11 at 0751 UTC, it
will be switched back to the digital BBS mode (Mode JD) for one week. The
modes will continue to alternate on a weekly basis until further notice.

The December schedule is as follows:

Mode JA--Analog: 12/1 at 0843 UTC through 12/8 at 0716 UTC

Mode JD--Digital: 12/8 at 0716 UTC through 12/15 at 0741 UTC

Mode JA--Analog: 12/15 at 0741 UTC through 12/22 at 0805 UTC

Mode JD--Digital: 12/22 at 0805 UTC through 12/29 at 0830 UTC (approx)

OSCAR 20 Frequencies

Digital Uplink: 145.85, .87, .89, .91 MHz

Digital Downlink: 435.910 MHz

Analog Uplink: 145.90--146.00 MHz

Analog Downlink: 435.80--435.90 MHz

The analog transponder inverts uplinked signals. LSB on the uplink becomes USB on the downlink. A signal in the lower portion of the uplink passband appears in the upper portion of the downlink passband. For more information, see the September QST, p 104.

The decision to change the schedule was made by Toshiyuki Kondoh, JR1NVU, who is in charge of OSCAR 20 operations. By providing a full week of analog transponder time, the OSCAR 20 team hopes to encourage more hams to use this mode.

The Japan Amateur Radio League offers a "Fuji Award" to any amateur making at least 10 contacts via OSCAR 20 Mode JA. More details about the award will be relayed as they become available.

Our thanks to Fujio Yamashita, JS1UKR, for providing this information.

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Date: 7 Nov 1993 15:43:12 GMT

From: olivea!inews.intel.com!ilx018-bb.intel.com!ilx049!dbraun@ames.arpa

Subject: Oscar 21 Question

To: ham-space@ucsd.edu

In article <CG2I4L.9Hv@usenet.ucs.indiana.edu>, alwalsh@copper.ucs.indiana.edu (Alan Walsh) writes:

|> OSCAR 21 operates in three different modes during each ten minute cycle.

|> For the first 6 minutes it operates in mode B (70cm up, 2m down), essentially

|> as a repeater.

A question here: In mode B, is it operating as a linear transponder (albeit with a very narrow passband), or as a true FM repeater?

Listening to it, I usually hear a mess that sounds like 20 FM stations all transmitting on the same frequency, but I can't tell if my radio is hearing 20 stations through the linear transponder, or if A0-21 is hearing 20 stations, and repeating what it sounds like at its FM detector.

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End of Ham-Space Digest V93 #79

